

Converting Colors

XYZ(46.2753, 37.1688, 17.9391)

Have a look what the booklet for
XYZ(46.2753, 37.1688, 17.9391)
contains.

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Color

**XYZ(46.3234, 37.2976,
17.8543)**

Conversions

Conversions Part 1

Format	Color
Hex	EC8B68
RGB	236, 139, 104
RGB Percent	93%, 55%, 41%
CMY	0.0745, 0.4549, 0.5922
CMYK	0.00, 0.41, 0.56, 0.07
HSL	16°, 78%, 67%
HSV	16°, 56%, 93%
XYZ	46.3234, 37.2976, 17.8543
YIQ	164.0130, 69.0470, 9.6790

Conversions

Conversions Part 2

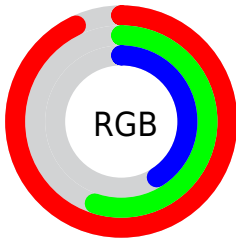
Format	Color
R _Y B	236, 152, 104
Decimal	15502184
CIE Lab	67.50, 33.57, 34.50
CIE LCh	67, 48.134, 45.781
Yxy	37.2976, 0.4565, 0.3676
Android (android.graphics.Color)	4293692264 (0xFFEC8B68)
YUV	164.0130, -29.5864, 63.1326
Hunter-Lab	61.0718, 28.5180, 25.4168

Details

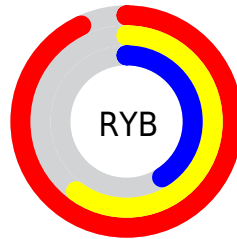
The XYZ color **46.3234, 37.2976, 17.8543** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **41.7346, 50.7697, 86.9565**, and the grayscale version is **35.4071, 37.2510, 40.5664**.

A 20% lighter version of the original color is **66.3107, 61.8002, 39.8862**, and **22.0265, 16.3320, 5.7329** is the 20% darker color. If you saturate the color by 10%, you get **42.9733, 32.2550, 11.6283**, and if you desaturate by 10%, it is **50.4090, 43.2748, 25.9807**.

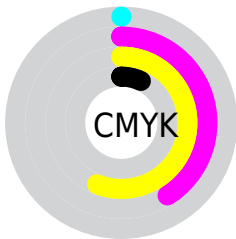
Distribution



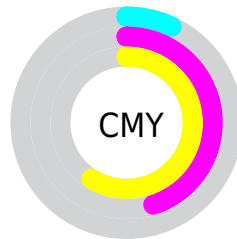
- Red (93%)
- Green (55%)
- Blue (41%)



- Red (93%)
- Yellow (60%)
- Blue (41%)



- Cyan (0%)
- Magenta (41%)
- Yellow (56%)
- Black (7%)





- Cyan (7%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3234, 37.2976, 17.8543 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 46.3234, 37.2976, 17.8543 by changing the saturation by 10% instead.


 46.3234, 37.2976,
17.8543


 46.3234, 37.2976,
17.8543


362.8015,
334.5972, 252.2570


 32.7068, 25.4380,
10.6771


 83.9277, 71.0303,
40.5995


 22.0601, 16.4037,
5.7387

 108.6461, 93.6721,
57.0045

 14.0179, 9.8103,
2.6206


 137.7958,
120.6768, 77.3226

 8.2149, 5.2733,
0.9031

 171.7422,
152.4288, 101.9722

 4.2857, 2.4085,
0.0000

210.8506,
189.3124, 131.3719

 1.8650, 0.8303,
0.0000

255.4864,

 0.5564, 0.0000,

231.7121, 165.9402

0.0000

306.0149,
280.0122, 206.0958

■ 0.0000, 0.0000,
0.0000

■ 46.3234, 37.2976,
17.8543

■ 46.3234, 37.2976,
17.8543

■ 42.9733, 32.2550,
11.6283

■ 50.4090, 43.2748,
25.9807

■ 40.3085, 28.0923,
7.1428

■ 55.2703, 50.2260,
36.1454

■ 38.2761, 24.7574,
4.2149

■ 60.9478, 58.1952,
48.4756

■ 36.8123, 22.1894,
2.6185

■ 67.4780, 67.2220,
63.0876

■ 36.3466, 21.3422,
2.2038

■ 74.8954, 77.3437,
80.0894

■ 83.2323, 88.5961,
99.5819

■ 88.4019, 96.5728,
108.5889

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



50.9742, 37.2976, 30.5098



46.3234, 37.2976, 17.8543



39.0599, 37.2976, 12.5398

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.3234, 37.2976, 17.8543



23.3731, 37.2976, 31.4044



39.4606, 37.2976, 93.7734

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.3234, 37.2976, 17.8543



41.7346, 50.7697, 86.9565

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.0701, 37.2976, 94.2761



46.3234, 37.2976, 17.8543



23.4492, 37.2976, 52.7262

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.3234, 37.2976, 17.8543



26.2028, 37.2976, 18.3119



26.4274, 37.2976, 77.3572



46.6517, 37.2976, 76.1575

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.3234, 37.2976, 17.8543



34.0369, 37.2976, 12.0703



26.4274, 37.2976, 77.3572



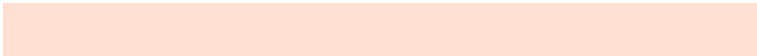
36.9022, 37.2976, 96.1128

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.3243, 37.2995, 17.8550



79.5063, 78.8494, 73.0851



50.3219, 32.0455, 60.0331



16.6687, 16.3965, 14.8567



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.3243, 37.2995, 17.8550



50.7570, 37.7242, 13.0246



58.4466, 61.5442, 21.8958



15.3903, 15.7037, 15.7387



20.1253, 11.9449, 1.2449



1.6570, 1.0914, 0.1233

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.7346, 50.7697, 86.9565



44.6900, 55.0525, 102.8785



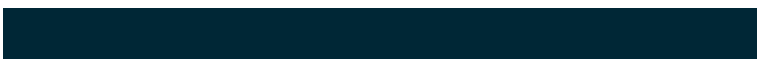
29.7951, 26.8908, 82.9766



15.1601, 16.4067, 19.2900



16.7381, 20.1232, 46.7449



1.3924, 1.7362, 3.6966

Previews

White Background



This preview shows how the XYZ color 46.3234, 37.2976, 17.8543 looks on a white background.

Color Contrast Check

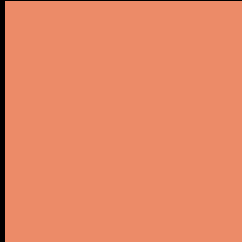
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 46.3234, 37.2976, 17.8543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3234, 37.2976, 17.8543

Background



This preview shows how black text looks on a background with the XYZ color 46.3234, 37.2976, 17.8543.



This preview shows how white text looks on a background with the XYZ color 46.3234, 37.2976,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.3234, 37.2976, 17.8543

Protanopia

34.8525, 37.5901, 21.3383

Deuteranopia

38.1766, 37.3134, 17.2467



Tritanopia

49.1557, 37.4145, 31.0165

Trichromacy



Original Color

46.3234, 37.2976, 17.8543

Protanomaly

38.2561, 37.0448, 19.8859

Deuteranomaly

40.6959, 36.8984, 17.2891

Tritanomaly

48.0265, 37.3704, 25.4508

Monochromacy



Original Color

46.3234, 37.2976, 17.8543

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.8390, 36.3428, 30.6117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3234, 37.2976, 17.8543 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(236, 139, 104)` looks like.

```
.text, #text, p{  
    color:rgb(236, 139, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(236, 139, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 139, 104) }
```

Border

The CSS property to change the border of an element to XYZ 46.3234, 37.2976, 17.8543 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 139, 104) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(236, 139, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(236, 139, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 139, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 139, 104);  
box-shadow:4px 4px 4px 4px rgb(236, 139,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3234, 37.2976, 17.8543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 139, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(236,  
139, 104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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